

a motor unit, fitting with the fan base; and
a fan blade unit, being attached to the fan base and the motor unit with a spindle to constitute an integral structure;
characterized in that the fan base at a top thereof has an annular recess to form an inner ring and an outer ring and the fan base at a lower central space thereof is a closed chamber filled with lubrication oil; and a stop ring is disposed in the annular recess to support the outer ring such that the motor unit can be sustained from deviation.

REMARKS

Claims 1-3 have been replaced by a newly added claim 4. It is respectfully submitted that the claim 4 is patentable over the cited reference U.S.P 5,363,003 (Harada et al).

In view of the reference cited by the Examiner, it is submitted that a brief summary of the present invention is advantageous to better distinguish from the prior art.

The bearing fixed assembly in a direct current fan disclosed in the present application includes a fan base 30, a motor unit 20 and a fan blade unit 1. The fan base 30 at the top thereof has an annular recess 311 to constitute an inner ring 312 and an outer ring 313 and a stop ring 316 is disposed in the annular recess 411 to support the outer ring 313 such that the motor unit 20 can be sustained from deviation. Further, the fan base 30 at the lower central space thereof has a closed chamber filled with lubrication oil. Hence, the bearing fixed assembly can maintain a longer life span with less components to overcome the deficiency of the prior art.

The motor and circuitry for protecting the same disclosed by Harada et al provides a motor, which includes a motor body 111, a stator core

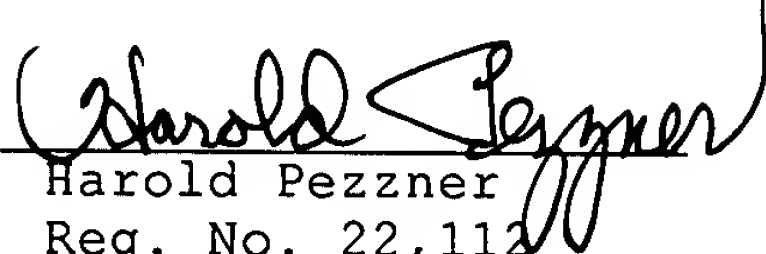
124 and a rotor 144, is looked similar to the bearing fixed assembly of the application simply comparing Fig. 11 in the cited reference to Fig 2 of the application but it has a more complicated structure than application and it does not provide the characteristics of the application. For instance, the motor body 111 has a cylinder wall 114 with projections 116 at the upper end thereof for constituting a mating recess and with projection strips 143 at the outer periphery thereof for preventing rotation. Also, a positioning projection 122 is disposed at the upper end of the cylindrical wall 114 for locating an oil bearing 120. Further, 24 strips 118 project from the inner periphery of the cylindrical wall 114 for retaining the bearing 120. In addition, a sealing member 152 is used for covering the lower end of the cylindrical wall 114.

In contrast to the cited reference, the bearing fixed device according to the application does not have the preceding arrangement disclosed by Harada et al and the characteristics of the application such as the fan base 30 at the top thereof having an annular recess 311 to constitute an inner ring 312 and an outer ring 313 and a stop ring 316 being disposed in the annular recess 411 and the fan base 30 at the lower central area thereof having a closed space filled with lubrication oil are not disclosed by Harada et al.

In view of the above, it is the applicant's contention that the cited reference do not anticipate nor render obvious the present invention and rejection based thereon should be withdrawn. Such action is respectfully solicited.

Respectfully submitted

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